

QUASI-DIFFERENTIAL POWER AMPLIFIER AND METHOD

ABSTRACT OF THE DISCLOSURE

A quasi-differential power amplifier and method are disclosed that enhance drive capability and dynamic range by driving a right, left and common terminals with a right channel output signal, a left channel output signal, and a common mode output signal that are each a combination of the left and right channel input signals. In addition, the common mode output signal may be used as feedback so that the left and right channel output signals so that these signals are dependent upon feedback from the common mode output signal. The quasi-differential power amplifier may include a first amplifier driving the left channel output signal, a second amplifier driving the right channel output signal, and a third amplifier driving the common mode output signal. In one application, the quasi-differential amplifier may be used to drive three-wire stereo headphones for use in small portable stereo systems.